Mattia Busana

List of Publications by Year
in descending order

52 papers	3,948 citations	279798 23 h-index	197818 49 g-index
52 all docs	52 docs citations	52 times ranked	5676 citing authors

#	Article	IF	Citations
1	Mechanisms of oxygenation responses to proning and recruitment in COVID-19 pneumonia. Intensive Care Medicine, 2022, 48, 56-66.	8.2	38
2	A Minimally Invasive and Highly Effective Extracorporeal CO2 Removal Device Combined With a Continuous Renal Replacement Therapy. Critical Care Medicine, 2022, 50, e468-e476.	0.9	4
3	Lung Ultrasound and Electrical Impedance Tomography During Ventilator-Induced Lung Injury*. Critical Care Medicine, 2022, 50, e630-e637.	0.9	10
4	Pathophysiology of coronavirus-19 disease acute lung injury. Current Opinion in Critical Care, 2022, 28, 9-16.	3.2	46
5	Mechanical power thresholds during mechanical ventilation: An experimental study. Physiological Reports, 2022, 10, e15225.	1.7	15
6	Hypoxaemia in COVID-19: many pieces to a complex puzzle. European Respiratory Review, 2022, 31, 220090.	7.1	3
7	COVID-19 and ARDS: the baby lung size matters. Intensive Care Medicine, 2021, 47, 133-134.	8.2	20
8	Pathophysiology of COVID-19-associated acute respiratory distress syndrome. Lancet Respiratory Medicine,the, 2021, 9, e1.	10.7	22
9	Mobilizing Carbon Dioxide Stores. An Experimental Study. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 318-327.	5.6	17
10	Oral anticoagulation and clinical outcomes in COVID-19: An Italian multicenter experience. International Journal of Cardiology, 2021, 323, 276-280.	1.7	40
11	Prevalence and outcome of silent hypoxemia in COVID-19. Minerva Anestesiologica, 2021, 87, 325-333.	1.0	49
12	The impact of ventilationâ€“perfusion inequality in COVID-19: a computational model. Journal of Applied Physiology, 2021, 130, 865-876.	2.5	52
13	End-tidal to arterial PCO2 ratio: a bedside meter of the overall gas exchanger performance. Intensive Care Medicine Experimental, 2021, 9, 21.	1.9	15
14	Reply to: Assessment of administering antithrombosis in COVID-19 patients with acute hypoxemic respiratory failure. International Journal of Cardiology, 2021, 332, 238.	1.7	0
15	Echocardiographic assessment of the right ventricle in COVID-19: a systematic review. International Journal of Cardiovascular Imaging, 2021, 37, 3499-3512.	1.5	15
16	The 4DPRR Index and Mechanical Power: A Step Ahead or Four Steps Backward?. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 491-492.	5.6	3
17	Albumin Oxidation Status in Sepsis Patients Treated With Albumin or Crystalloids. Frontiers in Physiology, 2021, 12, 682877.	2.8	4
18	Reply to Xu et al.. Journal of Applied Physiology, 2021, 131, 870-870.	2.5	1

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19	The knowns and unknowns of perfusion disturbances in COVID-19 pneumonia. Critical Care, 2021, 25, 352.	5.8	0
20	Role of total lung stress on the progression of early COVID-19 pneumonia. Intensive Care Medicine, 2021, 47, 1130-1139.	8.2	51
21	Role of Fluid and Sodium Retention in Experimental Ventilator-Induced Lung Injury. Frontiers in Physiology, 2021, 12, 743153.	2.8	8
22	Using Artificial Intelligence for Automatic Segmentation of CT Lung Images in Acute Respiratory Distress Syndrome. Frontiers in Physiology, 2021, 12, 676118.	2.8	16
23	Standardised PaO2/FiO2 ratio in COVID-19: Added value or risky assumptions?. European Journal of Internal Medicine, 2021, 92, 31-33.	2.2	3
24	COVID-19 pneumonia: pathophysiology and management. European Respiratory Review, 2021, 30, 210138.	7.1	84
25	Determinants of the esophageal-pleural pressure relationship in humans. Journal of Applied Physiology, 2020, 128, 78-86.	2.5	9
26	Pentraxin-3, Troponin T, N-Terminal Pro-B-Type Natriuretic Peptide in Septic Patients. Shock, 2020, 54, 675-680.	2.1	5
27	Physiological and quantitative CT-scan characterization of COVID-19 and typical ARDS: a matched cohort study. Intensive Care Medicine, 2020, 46, 2187-2196.	8.2	169
28	Oesophageal manometry and gas exchange in patients with COVID-19 acute respiratory distress syndrome. British Journal of Anaesthesia, 2020, 125, e437-e438.	3.4	3
29	Bedside calculation of mechanical power during volume- and pressure-controlled mechanical ventilation. Critical Care, 2020, 24, 417.	5.8	71
30	Redefining the Prognostic Value of High-Sensitivity Troponin in COVID-19 Patients: The Importance of Concomitant Coronary Artery Disease. Journal of Clinical Medicine, 2020, 9, 3263.	2.4	31
31	Arrhythmic safety of hydroxychloroquine in COVID-19 patients from different clinical settings. Europace, 2020, 22, 1855-1863.	1.7	28
32	Fluid administration and monitoring in ARDS: which management?. Intensive Care Medicine, 2020, 46, 2252-2264.	8.2	60
33	Nonâ€invasive hemodynamic profile of early COVIDâ€19 infection. Physiological Reports, 2020, 8, e14628.	1.7	11
34	From phenotypes to black holesâ€¦ and back. Intensive Care Medicine, 2020, 46, 1498-1499.	8.2	1
35	COVID-19 Does Not Lead to a â€œTypicalâ€•Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1299-1300.	5.6	1,138
36	Reply by Gattinoni et al. to Hedenstierna et al., to Maley et al., to Fowler et al., to Bhatia and Mohammed, to Bos, to Koumbourlis and Motoyama, and to Haouzi et al.. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 628-630.	5.6	10

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37	Long-term follow-up analysis of a highly characterized arrhythmogenic cardiomyopathy cohort with classical and non-classical phenotypesâ€“a real-world assessment of a novel prediction model: does the subtype really matter. Europace, 2020, 22, 797-805.	1.7	31
38	COVID-19 pneumonia: different respiratory treatments for different phenotypes?. Intensive Care Medicine, 2020, 46, 1099-1102.	8.2	1,443
39	Novel risk calculator performance in athletes with arrhythmogenic right ventricular cardiomyopathy. Heart Rhythm, 2020, 17, 1251-1259.	0.7	32
40	Does Iso-mechanical Power Lead to Iso-lung Damage?. Anesthesiology, 2020, 132, 1126-1137.	2.5	39
41	Extracorporeal Membrane Oxygenation for Respiratory Failure. Anesthesiology, 2020, 132, 1257-1276.	2.5	37
42	Spontaneous breathing, transpulmonary pressure and mathematical trickery. Annals of Intensive Care, 2020, 10, 88.	4.6	36
43	COVID-19: scientific reasoning, pragmatism and emotional bias. Annals of Intensive Care, 2020, 10, 134.	4.6	11
44	Venous and arterial base excess difference: methodological error or physiological reality?. Intensive Care Medicine, 2019, 45, 1686-1687.	8.2	2
45	Targeting transpulmonary pressure to prevent ventilator-induced lung injury. Expert Review of Respiratory Medicine, 2019, 13, 737-746.	2.5	38
46	Breathing and Ventilation during Extracorporeal Membrane Oxygenation: How to Find the Balance between Rest and Load. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 954-956.	5.6	27
47	Calcium priming of the central venous catheter prevents a drop in ionized calcium concentration during Regional Citrate Anticoagulation. ASAIO Journal, 2019, 65, 898-901.	1.6	1
48	Prone Positioning in Acute Respiratory Distress Syndrome. Seminars in Respiratory and Critical Care Medicine, 2019, 40, 094-100.	2.1	99
49	Mechanical power at a glance: a simple surrogate for volume-controlled ventilation. Intensive Care Medicine Experimental, 2019, 7, 61.	1.9	65
50	Procurement and ex-situ perfusion of isolated slaughterhouse-derived livers as a model of donors after circulatory death. ALTEX: Alternatives To Animal Experimentation, 2019, , .	1.5	2
51	Effects of sodium citrate, citric acid and lactic acid on human blood coagulation. Perfusion (United) Tj ETQq1 1 0.784314 rgBT /Overlo	1.0	22
52	End-Tidal to Arterial PCO2 Ratio as Guide to Weaning from Veno-Venous Extra-Corporeal Membrane Oxygenation. American Journal of Respiratory and Critical Care Medicine, 0, , .	5.6	11